

Flight Summary MACPEX 14 APR 2011

General Information

Flight date- 14 APR 2011

Flight duration – 4.7 hours

Crew – RKE/DOM

Instruments flown: 2DS, ALIAS, CPI, CIMS, CLH, DLH, FCAS, FCDP, FISH ,
HARWV, HARHAL, HVPS, JLH, MMS, NMASS, O3, O3LITE, PALMS, SID3,
ULH, SP2, VIPS

1158	Takeoff	1637	Land
------	----------------	------	-------------

Flight Log

Engine

Start 1141

Data Rec	1148	Begin	1635	Landing	1637
On		Descent			

Gear extension/retractions

Gear Up	1158
----------------	------

Gear Down	1633
------------------	------

Weather Observations

Ascended through solid cloud layer at 3,000.

Light cirrus evident above and solid deck below when on N-S line at FL360.

Able to be in solid layer for most of the leg. Return vector traveled through evident ice crystal layer for some 10-15 minutes en route back.

Light turbulence noted at FL535 14:52.

Flight Profile

Transit to range was uneventful.

MMS maneuvers accomplished at FL430 at 12:23.

Decended in route to FL350 near cloud tops and point 5 as directed by Theroy. Began S-N routedecending to FL310. Ascended to FL360 for South bound leg. Vectored off course and required to ascend to FL 380 per ATC. Turned to EFD short of southern point by ATC.

Spiral down to FL430 at designated point and RTB.

Instrument Notes

HARHAL failed upon start. Reset 1X

PAMLS failed on start. Rest multiple times no joy.

HARHAL and HARVWV fail below 3,000'. No action per checklist.